webEntry™ II Controller

OVERVIEW

The webEntry™ II controller is a unique, low cost 'entry level' access control system that is at the forefront of today's IP-based security technologies.

The webEntry II controller uniquely combines a Web server interface and access control functionalities into one control panel allowing complete system administration and monitoring on any network connected PC using Microsoft Internet Explorer web browser.

Available in various configurations, the webEntry II controller supports up to 64 doors and can manage up to 10,000 cardholders.

With an onboard battery backup the webEntry II controller can continue online for approximately three hours.

webEntry™ II Controller

FEATURES

- Self contained access control system

- Controller managed via web browser on any networked PC – no additional control software required!

- Supports four multidrop networks of card readers (64 doors total) using RS485 CAT 5 cabling

- Full operational battery backup available in the event of power failure

- 64 MB compact flash for database with expansion available

- Storage capacity for up to 10,000 card records

- Database is retained even in the event of battery backup failure

- Upgrade path to form part of a larger CEM AC2000 system

Onboard Database

The webEntry II Controller supports its own database of up to 10,000 card records. The records include card numbers, access level and time zone details. The database allows the controller to validate card requests from readers.

Rack Mounted Enclosure

The webEntry II Controller comes mounted in a sturdy 19-inch 1U rack-mounted enclosure providing easy integration into existing server locations. The webEntry II Controller can also be wall mounted with adjustment of the supplied brackets.

Power Failure Capability

The webEntry II Controller has its own internal UPS, giving a minimum of three hours normal usage in the event of mains power failure, thus keeping potential downtime to a minimum.

System Expansion

The webEntry II Controller can readily be upgraded to form part of a fully scaleable AC2000 access control solution for medium and large sites. All existing wiring and readers can remain in place eliminating the need for new hardware.

Reader Networks

The reader networks connect to four RS485 serial ports on the webEntry II Controller, using CAT 5 cabling. Each port is distributed over four individual RJ45 cable connections providing ease of installation and reducing the time required to identify a faulty reader (see connection option diagram below).

TECHNICAL SPECIFICATIONS

PHYSICAL

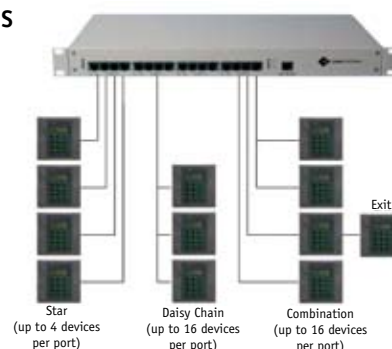|	
Size	42 x 483 x 233mm (1U x 19" x 9.2")
Weight	2.6Kg
Housing	19" rackmounted steel enclosure
Colour	Beige
Power	
- Voltage	Mains power adapter 100-240Vac (supplied) Output voltage 12Vdc @ 2.0A
- Current Consumption	300mA
- Backup Battery	Internal Lithium Ion battery giving a minimum of three hours backup time. Power fail reported to system internally.
Environmental	
- Temperature	-10º to 50ºC (14º to 122ºF)
- Humidity	95% non condensing
LED Indicators	Online/Offline, Ethernet connection, Activity/Status, Power and Heartbeat

FUNCTIONALITY

Inputs	Two Fire Zone Inputs Dedicated Tamper Input Two general purpose monitored inputs
Outputs	Four volt-free changeover relays
Reader Capacity	Up to 4 optically isolated RS485 multidrop reader networks controlling up to 16 master readers each. The combined maximum permissible cable run is 1.2km per port.

Controller Memory	10MB of RAM 28KB Boot Loader ROM
Database memory	Compact Flash Disk, 64MB Storage of approximately 10,000 cards per controller, 500 with images.
Configuration/ Management	Embedded Web Server allows full access and all administration through a standard web browser.
Browser	Microsoft Internet Explorer 6 SP1 or higher

COMMUNICATION INTERFACE

To Card Readers	Connected to webEntry II controller using RJ45 connectors
To System Host	Ethernet 10/100 Base T
Others	Local RS232 serial port for controller diagnostics/configuration and control of external equipment.

CONNECTION OPTIONS

Star (up to 4 devices per port) Daisy Chain (up to 16 devices per port) Combination (up to 16 devices per port)

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